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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/602,744	06/25/2003	Myoung-Kee Baek	8733.849.00	1174	
30827	7590 01/13/2006		EXAMINER		
MCKENNA LONG & ALDRIDGE LLP			FERGUSON, MARISSA L		
1900 K STREET, NW WASHINGTON, DC 20006			ART UNIT	PAPER NUMBER	
	•		2854		
			DATE MAILED: 01/13/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	-
	10/602,744	BAEK ET AL.	
Office Action Summary	Examiner	Art Unit	-
	Marissa L. Ferguson	2854	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	_
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (6(a). In no event, however, may a reply be time (ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONED	l. ely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on <u>03 Not</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. ice except for formal matters, pro		
Disposition of Claims			
4) ⊠ Claim(s) <u>1-13</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1-13</u> is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	n from consideration.		
Application Papers			
9) The specification is objected to by the Examiner 10) The drawing(s) filed on 25 June 2003 is/are: a) Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examiner 12. **The Declaration** 13. **The Declaration** 14. **The Declaration** 15. **The Declaration** 16. **The Declaration** 17. **The Declaration** 18. **The Declaration** 19. **The Declaration** 11. **The Declaration** 12. **The Declaration** 13. **The Declaration** 14. **The Declaration** 15. **The Declaration** 16. **The Declaration** 17. **The Declaration** 17. **The Declaration** 18. **The Declaration** 19. **The Declaratio	accepted or b) objected to drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list of 	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No d in this National Stage	
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-5, 10 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Evans et al. (US Patent 5,514,503) in view of Miyazaki et al. (US Patent 6,445,437).

Regarding claims 1, 3 and 10, Evans et al. teaches providing a cliché (14) having a plurality of grooves (Figure 2 and Column 5, Lines 36-60), filling Red, Green and Blue colored inks into the grooves of the cliché (Column 6, Lines 7-10), repositioning the Red, Green and Blue colored inks (Column 6, Lines 11-13), transferring the colored inks filled in the grooves of the cliché onto a printing roll (14) by rotating the printing roll (14) on the cliché in which the Red, Green and Blue colored inks are filled (Column 9, Lines 20-29) and applying the Red, Green and Blue colored inks on the printing roll onto of the substrate by rotating the printing roll across the substrate (column 10, Lines 38-45). However, he does not explicitly disclose providing a substrate, which is divided into an active area for realizing image and a dummy area for not realizing image areas.

Miyazaki et al. teaches a system for fabricating a liquid crystal display with a substrate (30) divided into a display area and a non-display area (Figures 1,2). It would have been obvious at the time the invention was to a person having ordinary skill in the

art to modify the invention as taught by Evans to include an active area and a dummy area as taught by Miyazaki et al., since Miyazaki et al. teaches the areas in order to reduce display defects and exhibit high display performance.

Regarding claim 2, Evans et al. teaches wherein filling includes placing the Red, Green and Blue colored inks into the grooves of the cliché concurrently (Column 10, Lines 51-64)

Regarding claim 4, Evans et al. teaches wherein applying includes rolling the printing roll only once across the substrate (Figure 4 and Column 10, Lines 44-48).

Regarding claims 5 and 12, Evans et al. teaches forming a black matrix on the substrate between the Red, Green and Blue colored inks on the active area (Figure 4, Lines 1-13).

2. Claims 6-9,11 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Evans et al. (US Patent 5,514,503) in view of Miyazaki et al. (US Patent 6,445,437) as applied to claim 1 above, and further in view of Kobayashi et al. (JP 404134401).

Regarding claims 6,8,9, 11 and 13, Evans et al. and Miyazaki et al. teaches the apparatus and method claimed including wherein Red, Green and Blue color inks of the substrate are formed in at least one or more pixels when it is assumed that respective red, green and blue sub-pixels are defined as one pixel as disclosed in Evans et al. (column 7, Lines 64-67). However, Evans et al. or Miyazaki et al. do not explicitly disclose forming a black matrix between the Red, Green and Blue ink/filter colored on the dummy area. Kobayashi et al. teaches a black matrix (36) formed between colored filters (18R, 18G, 18B) in a dummy area (30). It would have been obvious at the time

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the invention was to a person having ordinary skill in the art to further modify the invention as taught by Evans to include forming the colored filter on a dummy area as aught by Koyabashi et al., since Koyabashi et al. teaches to avert degradation in printing accuracy.

Regarding claim 7, Evans et al. teaches wherein forming a black matrix includes patterning a thermoplastic resin (Column 5, Lines 36-60).

Response to Arguments

3. Applicant's arguments with respect to claims 1-13 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marissa L. Ferguson whose telephone number is (571) 272-2163. The examiner can normally be reached on (M-T) 6:30am-4:00pm and every other (F) 7:30am-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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MLF

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